

5

surface **8** for a stable user interaction with the device in the open position of the display. In this position the display **2** is positioned in a plane located under an obtuse angle ' α ' with respect to the lower body side **7b**. By this stable positioning the user can interact with buttons on the device body **7** and with the part of the display **2** above the portion **4**, without creating unwanted movements of the display.

In another "wrap" type embodiment, shown in a storage position (FIG. **8a**) and in an open position put on a surface **8** (FIG. **8b**), the device body **7** comprises at the whole lower body side **7b** a downwardly and in lateral direction outwardly extending portion **7e**. The whole lower side of the portion **7e** is configured as surface support part **7b**. In this embodiment the hinge axis of hinge **6b** is placed a distance h higher than the opposite hinge axis of hinge **5a** and the hinge axis of hinge **6b** is located at a distance L outwardly with respect to the axis of hinge **6a** (see FIG. **8a**). As shown in FIG. **8b** this embodiment creates a flat shape for the device **1** when placed on a surface **8**, i.e. both the support frame with the display **2** and the lower body side **7b** are stable positioned substantially parallel to the surface **8**. This embodiment enables to use a longer frame portion **3a** and creates a longer display **2**, whereas the positioning of the hinge part **6** in the storage position of FIG. **8a** will not extend further outward than the device body **7** in the open position of FIG. **8b**.

In an alternative "wrap" type embodiment, shown in an open position put on a surface **8** in FIG. **9**, the device body **7** comprises at the lower side a downwardly and in lateral direction outwardly extending portion **7f** with an lower wall configured as surface support part **7b**. The portion **7f** extends over only a minor part of the underside of the body **7** at the location of the corner of the body **7**. The dimensions of a recess **7g** at the underside of the body correspond with those of the frame portion **3**. Due to the recess **7g** and the dimensions of the portion **3** the thickness of the device in the storage position may be less than the thickness of the device shown in FIG. **8**.

For stable positioning the device in the open position on a surface, under the body **7** downwardly extending portions, in this embodiment two protrusions **7i**, are provided located at opposite sides of the display when the flexible display is in the storage position. Preferably the frame portion **3** comprises at the opposite sides recesses enabling positioning the protrusions **7i** in the storage position of the display.

A variation of this solution would be to make these local protrusions **7i** movable, preferably retractable from the open to the storage position. In open position of the device they move out of the device and become locked in their extended state. In this way these protrusions **7i** do not necessarily need to be located at the sides of the support frame, but can be below them.

A schematic side view of an asymmetrical 'book' device **20** of the type shown before in FIG. **5**, is shown in FIG. **10a** in the storage position and FIG. **10b** in the open position. In this embodiment the support frame comprises two portions **21**, **22** each configured to support a part of the display **2**. The device body at its upper body side is the first portion **21** of the support frame, whereas the second portion **22** is connected via a hinge **23** with the first portion **21**. In the open configuration of FIG. **10b** with the lower sides of the portions **21**, **22** positioned on the surface **8** the maximum height of the device is largest at the device body side remote from the hinge **23** and smallest at the end of the portion **22**. Due to this configuration of the device the flexible display **2** is stably positioned in a plane located under a sharp angle ' β ' with respect to the lower sides of both frame portions. In the storage position of FIG. **10a** is

6

shown that the whole of a curved portion **2a** of the display is located in the portion **21** of the device body near the hinge **23**.

In the asymmetrical 'book' device shown in FIG. **11a** alternatively a curved portion **2b** of the display **2** may be located partly in the portion **21** of the device body and partly in the frame portion **22** near the hinge **23**.

In the embodiments of FIGS. **10** and **11** in the open position shown in FIG. **10b**, **11b** the display **2** is positioned on the surface **8** in a comfortable reading position. It is noted that in the embodiment of FIG. **10** in the open position shown in FIG. **10b** the supporting surface under the display of the portion **2a** is larger than in the portion **2b** in the open position of the embodiment of FIG. **11**, shown in FIG. **11b**. In the embodiment of FIG. **10** the recess in the supporting surface for the portion **2a** is only configured in the portion **21**, whereas in the embodiment of FIG. **11** the recess for the portion **2b** is configured in both the portion **21** and the portion **22**.

In FIG. **12** is shown a schematic side view of another asymmetrical 'book' device **24** of the type shown before in FIG. **5**. In this embodiment the device **24** comprises two frame portions **25**, **26** each configured to support a part of the display **2**. The device body at its upper body side is a first portion **25** of the support frame, connected by a hinge **27** with a second portion **26** of the support frame. In the storage position of FIG. **12a** is shown that the whole of a curved portion **2c** of the display is located in the device body near the hinge **27**.

In the open configuration of FIG. **12b** the maximum height of the device is largest at the device body side. The second portion **26** comprises a surface support part **26a**. In the open position of the display the surface support part **26a** can be moved by further rotating around the axis of hinge **27** in the direction of arrow k to a locked operational position enabling to compensate the height difference of the device at both sides of the hingeable connection. Thus in the open position of the display a stable horizontal positioning of the display and the device on the surface **8** is ensured.

In FIG. **13** is shown a schematic side view of another asymmetrical 'book' device **24** of the type shown before in FIG. **5**. In this embodiment at both lateral sides of the device a surface support part **26a** is movable connected via a hinge **28** with the second portion **26** of the support frame. In the storage position shown in FIG. **13a** these parts **26a** are positioned in recesses **25a** in the device body with the hinges **28** neighboring the recesses **25a**. During movement to the operational position these surface support parts **26a** move around the hinge **28** to the position shown in FIG. **13b**. These parts **26a** enable to compensate the height difference of the device at both sides of the hinge **27** and thus enable a stable horizontal position of the display **2** on the surface **8**. Alternatively only one support part **26a** is applied extending over the whole width of the device,

In FIG. **14b** is shown in the operational position an alternative embodiment of the device shown in FIG. **13** with means for enabling compensating the height difference of the device at both sides of the hinge **27**. The means are in FIG. **14** configured as surface support parts **26b** connected with the second portion **26** via hinges **29** located at the upper side of the device **24**. In the storage position of FIG. **14a** the surface support parts **26b** are stored as a continuous part of the second portion **26**. Alternatively only one support part **26b** is applied extending over the whole width of the device,

In FIG. **15b** is shown in the operational position another alternative embodiment of the device shown in FIG. **13** with means for enabling compensating the height difference of the device at both sides of the hinge **27**, in this embodiment surface support parts **26c**, connected with the second portion